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*Logan and Mingo Counties.* By R. V. HENNEN and D. B. REGER.

West Virginia Geol. Survey, 1914. Pp. 776, pls. 15, figs. 23, maps 2.

The 1914 contribution to the excellent series of county reports of this state includes two counties on the southwestern border. The general treatment is similar to that of earlier reports.

The strata exposed range from middle Pottsville to the lower members of the Conemaugh series. A large number of detailed sections of these series are given. A table of 150 coal analyses, both proximate and ultimate, is given, and under separate cover is a map showing areal and economic geology and structure geology.

W. B. W.

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*Biennial Report of Vermont State Geologist.* By G. H. PERKINS and OTHERS. 1913-14. Pp. 448, pls. 78, figs. 41.

The greater part of this report treats of the marble industry of the state. It contains reprints of *Bulletins* 521 and 589 of the United States Geological Survey which deal with commercial marbles of this area.

Separate articles by various writers give brief résumés of the geology and mineralogy in the vicinity of Hardwick, Woodbury, and Bennington. The talc deposits of the state are described by E. C. Jacobs. He believes that these deposits have resulted from the metamorphism of basic intrusions into sedimentary country schists.

W. B. W.

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*Biennial Report of Missouri Bureau of Geology and Mines.* By H. A. BUEHLER. 1913-14. Pp. 62.

This is chiefly an administrative report of work completed by the survey staff during this biennial period. Statistics on mineral production in the state during 1913 and 1914 also are given.

W. B. W.

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*Devonian of Southwestern Ontario.* By C. R. STAUFFER. Geol. Survey of Canada, Geol. Series, No. 63. Pp. 341, pls. 20, map 1.

Devonian beds outcrop over the entire area of the Ontario province that projects southwest between Lakes Huron and Erie. Probably the entire system is present although the correlations of the upper and

lower members are still tentative. The beds rest unconformably on Silurian rocks ranging in age from Salina to Cobleskill or younger. The revised classification follows:

Devonian	Upper	Port Lambton (probably Portage or Chemung)
	Upper	Huron shale (probably Genesee)
	Middle	Upperwash limestone
	Hamilton	Petrolia shale
		Widder beds
		Olentangy shale
		Delaware limestone
	Lower	Onondaga limestone
		Onondaga limestone
		Springvale sandstone (local facies)
	Oriskany sandstone	
	Lower	Helderbergian (wanting or possibly represented in the Detroit River series)

From 2 to 10 sections are given in each of the 12 counties included in the area. The paleontology has been worked out with great care and each section is accompanied by its fauna classified by horizons. Of the species given, 350 are listed from the Hamilton beds alone and 347 from the Onondaga. Largely on faunal evidence the Springvale sandstone is considered a local facies of the Onondaga instead of belonging to the Oriskany.

There is a chapter that summarizes present knowledge of the development and migrations of the Devonian faunas in this region and a chapter of bibliography on the Devonian of the eastern continental area.

W. B. W.

*Central Connecticut in the Geologic Past.* By JOSEPH BARRELL. Connecticut Geol. and Nat. Hist. Survey, Bull. 23. Pp. 44, figs. 9.

This bulletin is a study of the extent to which ancient geologic structure and physiographic features may be reconstructed from data now available. Technicality has been avoided in an attempt to make the report available for general reading. To further this plan the historical geology is taken up in reverse of the usual order.

A number of wholly new structure sections are of chief interest. These sections reproduce the structure for each geologic period since late Paleozoic times. There is a departure from conventional structure sections in that clouds and the landscape of the background are added. These features may be of aid to readers untrained in geology.